

Converting Colors

$Yxy(71.6613, 0.2602, 0.3041)$

Have a look what the booklet for
Yxy(71.6613, 0.2602, 0.3041)
contains.

Yxy(71.5144, 0.2599, 0.3038)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.5144, 0.2599, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	A4E6FC
RGB	164, 230, 252
RGB Percent	64%, 90%, 99%
CMY	0.3569, 0.0980, 0.0116
CMYK	0.35, 0.09, 0.00, 0.01
HSL	195°, 94%, 82%
HSV	195°, 35%, 99%
XYZ	61.1804, 71.5144, 102.7048
YIQ	212.7740, -46.3980, -7.1500

Conversions

Conversions Part 2

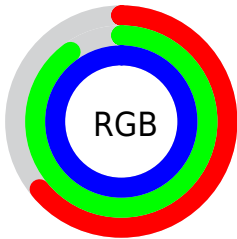
Format	Color
RYB	164, 202, 252
Decimal	10807036
CIELab	87.73, -15.42, -17.29
CIELCh	88, 23.167, 228.277
Yxy	71.5144, 0.2599, 0.3038
Android (android.graphics.Color)	4288997116 (0xFFA4E6FC)
YUV	212.7740, 19.3384, -42.7748
Hunter-Lab	84.5662, -18.8530, -12.8108

Details

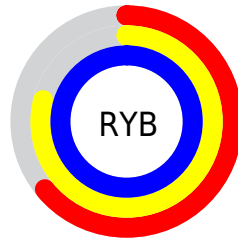
The Yxy color **71.5144, 0.2599, 0.3038** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.5128, 0.3882, 0.3526**, and the grayscale version is **66.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **37.4634, 0.2484, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **65.6485, 0.2463, 0.2953**, and if you desaturate by 10%, it is **78.0443, 0.2744, 0.3118**.

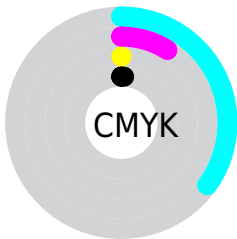
Distribution



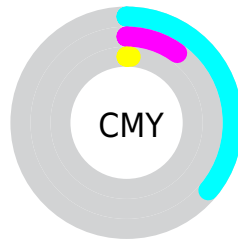
- Red (64%)
- Green (90%)
- Blue (99%)



- Red (64%)
- Yellow (79%)
- Blue (99%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)





- Cyan (36%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5144, 0.2599, 0.3038 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 71.5144, 0.2599, 0.3038 by changing the saturation by 10% instead.

 71.5144, 0.2599,
0.3038


 71.5144, 0.2599,
0.3038


465.8496, 0.2839,
0.3159

 52.7621, 0.2545,
0.3010

 121.3659, 0.2681,
0.3081

 37.6129, 0.2480,
0.2974


 153.2338, 0.2714,
0.3097

 25.6824, 0.2397,
0.2928


190.2425, 0.2742,
0.3111

 16.5862, 0.2292,
0.2868

232.7762, 0.2766,
0.3123

 9.9399, 0.2152,
0.2784

281.2194, 0.2788,
0.3134

 5.3591, 0.1958,
0.2661

335.9564, 0.2807,

 2.4595, 0.1674,

0.3143

0.2465

397.3717, 0.2824,
0.3152

■ 0.8562, 0.1100,
0.2152

■ 0.0000, 0.0000,
0.0000

■ 71.5144, 0.2599,
0.3038

■ 71.5144, 0.2599,
0.3038

■ 65.6485, 0.2463,
0.2953

■ 78.0443, 0.2744,
0.3118

■ 60.4052, 0.2340,
0.2863

■ 85.2601, 0.2896,
0.3192

■ 55.7513, 0.2234,
0.2771

■ 93.1926, 0.3051,
0.3259

■ 51.6459, 0.2146,
0.2676

■ 99.8107, 0.3144,
0.3318

■ 48.0418, 0.2078,
0.2582

■ 44.8813, 0.2030,
0.2488

■ 43.4075, 0.2012,
0.2441

Harmonies

Analogous

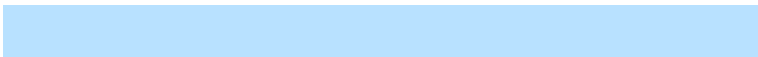
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5144, 0.2684, 0.3285



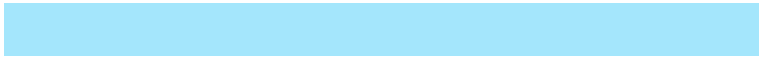
71.5144, 0.2599, 0.3038



71.5144, 0.2647, 0.2875

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5144, 0.2599, 0.3038



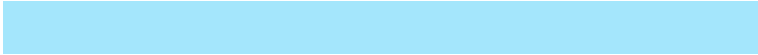
71.5144, 0.3362, 0.3049



71.5144, 0.3428, 0.3789

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.5144, 0.2599, 0.3038



58.5128, 0.3882, 0.3526

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5144, 0.3625, 0.3696



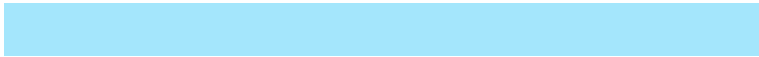
71.5144, 0.2599, 0.3038



71.5144, 0.3588, 0.3269

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5144, 0.2599, 0.3038



71.5144, 0.3078, 0.2890



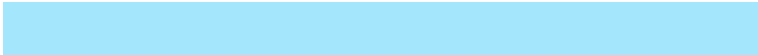
71.5144, 0.3686, 0.3503



71.5144, 0.3156, 0.3738

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5144, 0.2599, 0.3038



71.5144, 0.2749, 0.2829



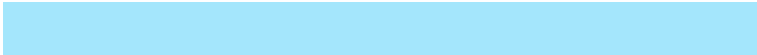
71.5144, 0.3686, 0.3503



71.5144, 0.3506, 0.3772

Sweetspot

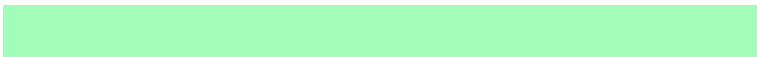
The Sweet Spot groups the original color and five complimentary colors.



71.5172, 0.2599, 0.3038



91.4757, 0.2972, 0.3226



81.0818, 0.2963, 0.4073



19.3362, 0.2950, 0.3216



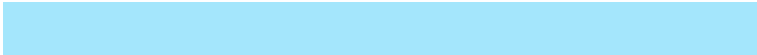
0.0000, 0.0000, 0.0000



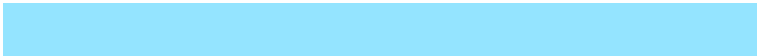
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5172, 0.2599, 0.3038



69.1006, 0.2501, 0.2978



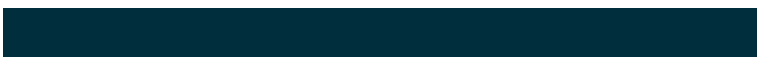
50.0422, 0.2527, 0.2507



18.8296, 0.2980, 0.3229



22.8503, 0.2016, 0.2457



2.2839, 0.2047, 0.2568

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.9644, 0.3349, 0.2619



48.0207, 0.3408, 0.2485



79.9912, 0.3726, 0.3965



17.4460, 0.3176, 0.3114



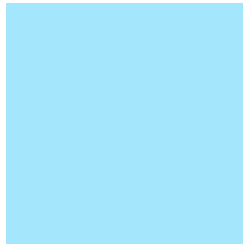
12.7177, 0.3965, 0.1958



1.1948, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 71.5144, 0.2599, 0.3038 looks on a white background.

Color Contrast Check

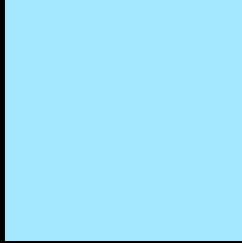
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 71.5144, 0.2599, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5144, 0.2599, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 71.5144, 0.2599, 0.3038.

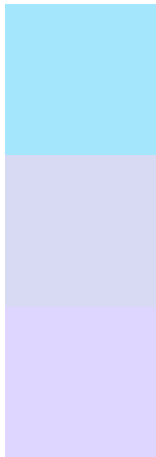


This preview shows how white text looks on a background with the Yxy color 71.5144, 0.2599, 0.3038.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.5144, 0.2599, 0.3038

Protanopia

71.2734, 0.2946, 0.3012

Deuteranopia

71.0011, 0.2924, 0.2863



Tritanopia

71.2197, 0.2609, 0.3071

Trichromacy



Original Color

71.5144, 0.2599, 0.3038

Protanomaly

70.8283, 0.2806, 0.3015

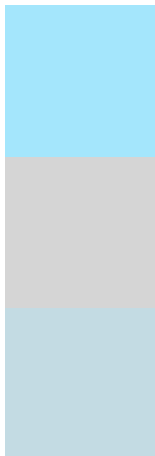
Deuteranomaly

70.8987, 0.2796, 0.2922

Tritanomaly

71.2823, 0.2604, 0.3060

Monochromacy



Original Color

71.5144, 0.2599, 0.3038

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.8112, 0.2910, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5144, 0.2599, 0.3038 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(164, 230, 252)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(164, 230, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 252) }
```

Border

The CSS property to change the border of an element to Yxy 71.5144, 0.2599, 0.3038 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 230, 252) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(164, 230, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(164, 230, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 252);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5144, 0.2599, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 230, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(164,  
230, 252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor